

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-006817**Date Inspected:** 04-May-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai ,China**CWI Name:** Li Yan Hua**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Assembly**Summary of Items Observed:**

On this date CALTRANS OSM Quality Assurance (QA) Inspector was present during the times noted above for observations relative to the work being performed.

Segment Repair Yard (North of the blast shop)

Segment 1AW

This QA Inspector performed Ultrasonic testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as the side and bottom panel splice welds. The Weld Designations are as follows: SEG003A001~010.

This QA Inspector performed Ultrasonic testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as the deck panel diaphragm splice welds.. The Weld Designations are as follows: SEG003\*009~014, 035 and 036.

This QA Inspector performed Ultrasonic testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as the floor beam component welds. The Weld Designations are as follows:

SSD34-PP8.5-001, 008, 127, and 128.

SSD34A-PP8.5-001, 008, 127, and 128.

SSD35-PP9-001, 008, 126, 127, and 130.

---

## WELDING INSPECTION REPORT

( Continued Page 2 of 3 )

---

SSD35A-PP9-001, 008, 127, and 130.  
SSD36-PP9.5-001, 008, 126, 127 and 128.  
SSD36A-PP9.5-001, 002, 008, 127 and 128.  
SSD37-PP10-001, 008, 126, 127 and 128.  
SSD37A-PP10-001, 008, 126, 127 and 128.

This QA Inspector performed Ultrasonic testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as the lifting lug welds. The Weld Designations are as follows:

SSD36A-PP9.5-320 and 321.  
SSD36-PP9.5-320 and 321.  
SSD34A-PP8.5-320 and 321.  
SSD34-PP8.5-320 and 321.

This QA Inspector performed Ultrasonic testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as the lifting lug welds. The Weld Designations are as follows:

SSD36A-PP9.5-320 and 321.  
SSD36-PP9.5-320 and 321.  
SSD34A-PP8.5-320 and 321.  
SSD34-PP8.5-320 and 321.

This QA Inspector performed Ultrasonic testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as the corner assembly welds. The Weld Designations are as follows:

CA105-002~005.  
CA106-002~005.  
EP115-001-022.  
SP787-001-043.  
DP734-001-014.

This QA Inspector performed Ultrasonic testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as the longitudinal diaphragm welds. The Weld Designations are as follows:  
SEG003B-001.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### **Summary of Conversations:**

No Relevant conversations

### **Comments**

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, (15000422372), who represents the Office of Structural Materials for

---

## WELDING INSPECTION REPORT

( Continued Page 3 of 3 )

---

your project.

---

**Inspected By:** Patterson,Rodney

Quality Assurance Inspector

---

**Reviewed By:** Carreon,Albert

QA Reviewer